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07008\S10-637-E661 :.O.9.3.2.U \$ A. MANUFACTURER ADDRESS NAME VI. PRODUCTION FLIGHT TESTING B. PRODUCTION BASIS (Check applicable item) PRODUCTION CERTIFICATE (Give production certificate number) TYPE CERTIFICATE ONLY APPROVED PRODUCTION INSPECTION SYSTEM C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS SIGNATURE DATE OF APPLICATION NAME AND TITLE (Print or type) A. DESCRIPTION OF AIRCRAFT ADDRESS REGISTERED OWNER MODEL BUILDER (Make) REGISTRATION MARK SERIAL NUMBER CUSTOMER DEMONSTRATION FLIGHTS [Check if applicable] B. DESCRIPTION OF FLIGHT TO FROM DURATION DEPARTURE DATE VIA SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT. NAVIGATOR OTHER (Specify) CO-PILOT D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION (Use attachment if necessary) ₹ F. CERTIFICATION — I hereby certify that I am the registered owner (or his agent) of the aircraft described above, that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy for the flight described. SIGNATIOF NAME AND TITLE (Print or type) DATE G. Statement of Conformity, FAA Form 8130-9 (Mach when required) VIII. AIRWORTHINESS
*DOCUMENTATION
(FAA use only) A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) B. Current Operating Limitations Attached I. Previous Airworthiness Certificate Issued in Accordance with C. Data, Drawings, Photographs, etc. (Attach when required) FAR 2/0/9/(d) CAR (Original Attached) D. Current Weight and Balance Information Available in Aircraft J. Current Airworthiness Certificate Issued in Accordance with E. Major Repair and Alteration, FAA Form 337 (Attach when required) F. This Inspection Recorded in Aircraft Records

	UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION													
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Any alleration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION BEGUN.														
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FAA FORM 8130-7 (10/82)

SEE REVERSE SIDE

This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and part of this certificate: (2) over any foreign country without the special permission of that country.
Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21. Section 21 181 or 21.217

せ U.S. GOVERNMENT PRINTING OFFICE: 1997-569-478

Old cert. UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVI SPECIAL AIRWORTHINESS CER EXPERIMENTAL CATEGORY/DESIGNATION PURPOSE EXHIBITION NAME N/A MANU-FACTURER В **ADDRESS** N/A FROM N/A С **FLIGHT** TO N/A SERIAL NO. XL617/ 41H69544 N- 617NL D BUILDER HAWKER SIDDELEY MODEL HUNTER TMK7 DATE OF ISSUANCE 02/21/97 EXPIRY UNLIMITED OPERATING LIMITATIONS DATED 02/21/97 ARE A PART OF THIS CERTIFICATE SIGNATURE OF FAA REPRESENTATIVE DESIGNATION OR OFFICE NO. DESIDERIO S. AQUILAR SW17 Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

SEE REVERSE SIDE

FAA FORM 8130-7 (10/82)

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С	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued not meet the requirements of the applicable FAR. The aircraft does provided by Annex 8 to the Convention On International Civil Aviation. No person may operate in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that
Ε	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.
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Flight Standards District Office

3295 Elder Street Airport Plaza, Suite #350 Boise, Idaho 83705-4712 208-334-1238, Fax: 208-334-9261 1-800-453-0001

EXPERIMENTAL OPERATING LIMITATIONS FOR EXHIBITION

MAKE:

REG.NO.

MODEL:

SERIAL NO:

Hawker Siddeley

N617NL

Hunter TMK 7

XL617/41H695449

EXPERIMENTAL OPERATING LIMITATIONS - EXHIBITION

THESE OPERATING LIMITATIONS SHALL BE ACCESSIBLE TO THE PILOT

THIS AIRCRAFT SHALL BE OPERATED IN COMPLIANCE WITH THE FOLLOWING OPERATING LIMITATIONS:

- 1. No person may operate this aircraft unless the Special Airworthiness Certificate, FAA Form 8130-7, for this aircraft is displayed at the cabin or cockpit entrance so that it is legible to passengers or crews.
- 2. Application must be made to the geographically responsible FSDO for any revision to these operating limitations.
- 3. Accept for takeoffs and landings, this aircraft may not be operated over densely populated areas or in congested airways, except when otherwise directed by Air Traffic Control.
- 4. No person may be carried during flight unless that person is essential to the purpose of the flight.
- 5. No person may operate this aircraft for carrying persons or property for compensation or hire.
- 6. This aircraft is approved for aerobatics as listed:

Wing.Over

Immelman

Spin

Aileron Roll

Split S

Barrel Roll

Cuban Eight

Loop

Vertical Recovery

- 7. This aircraft will not be operated unless the replacement times for life-limited parts specified in the applicable technical publications pertaining to the aircraft and its components are complied with. This aircraft, including its related components and systems, must be inspected in accordance with an approved inspection program selected under the provisions of 14 CFR Part 91.409(f)(4), and shall be recorded in the aircraft maintenance records. This inspection program contains the following military technical publications: AP 102C-1512.17-16A, AP 101B-1302-3-3A, and AP 101B-1302-1.
- 8. Inspections shall be recorded in the aircraft maintenance records showing the following or a similarly worded statement: I certify that this aircraft has been inspected on (insert date) in accordance with the scope and detail of the Adrenalin Sports, FSDO- approved inspection program dated February 21, 1996, and found to be in a condition for safe operation. The entry will include the aircraft total time in service (cycles if appropriate); and the name, signature, and certificate type/number of the person performing the inspection.
- 9. Only FAA-certificated mechanics with appropriate ratings as authorized by 14 CFR Part 43.3 may perform inspections required by these limitations.
- 10. The cognizant FAA FSDO must be notified, and their response received in writing, prior to flying this aircraft after incorporation of a major change as defined by 14 CFR part 21.93.
- 11. This aircraft must display the work EXPERIMENTAL in accordance with 14 CFR Part 45.23(b).
- 12. This aircraft shall contain the placards, markings, etc., required by 14 CFR Part 91.9.
- 13. The PIC of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the PIC must also hold either an appropriate type rating or a Letter of Authorization issued by an FAA Flight Standards Operations Inspector.
- 14. The PIC of this aircraft shall notify the air traffic control tower of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The PIC shall plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 15. The ejection seat system must be maintained in accordance with the manufacturer's procedures and inspected in accordance with the FSDO-approved inspection program entitled Adrenalin Sports, dated February 21, 1996.

- 16. The ejected seat system must be secured to prevent inadvertent operation of the system whenever the aircraft is parked.
- 17. This aircraft is prohibited from flight with any externally mounted equipment unless the equipment is permanently installed (in a manner that will prevent inflight jettison of the equipment). This permanent installation must be recorded in the aircraft logbook.
- 18. No person may operate this aircraft for other than the purpose of airshows, to exhibit the aircraft, or participate in events outlined in Adrenalin Sports, program letter (or any amendments) describing compliance with 14 CFR part 21.193(a). Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of 14 CFR part 91, and all additional limitations herein prescribed under the provisions of 14 CFR part 91.319(e). These operating limitations are a part of the FAA Form 8130-7 and are to be carried in the aircraft at all times for availability to the pilot. The following military technical publications are included in these limitations: AP101B-1302-3-14, AP 101B-1302-3-15, AP 101B-1302-3-5M, AP 1302-5-5M, and AP 101B-1302-6-5M.
- 19. All proficiency/practice flights shall be conducted within a geographical area described in the aircraft program letter and any modifications to that letter, but that area will not exceed 600 nautical miles of the aircraft home base airport. Proficiency flights are limited to a non-stop flight that begins and ends at the home base airport of Caldwell Industrial Airport, (EUL), with sufficient fuel reserve to meet the applicable operating rules of 14 CFR Part 91. With the following exception:

 Refueling is allowed along with proficiency take-off and landings at Twin Falls, ID (TWF) and Boise, ID. (BOI). Anytime an alternate airport within the 600 nautical miles is selected, the operator must notify their geographically responsible Flight Standards District Office prior to each proficiency flight away from their home base airport. An exception is permitted for proficiency flying outside of the area stated above for organized formation flying, training, or checkout in conjunction with a specific event listed in the aircraft program letter (or amendments). The program letter should indicate the location and dates for this proficiency flying.
- 20. This aircraft is restricted to airports that are within airspace classes C, D, E, and G during proficiency flights, except in the case of a declared emergency or when otherwise directed by Air Traffic Control.
- 21. The owner/operator of this aircraft must submit an annual program letter update to the local FSDO that lists airshows, fly-ins, etc. that will be attended during the next year. This list will be subject to amendments, as required, by letter or facsimile transmission.
- 22. The owner/operator of this aircraft must ensure that a copy of the current program letter, and any modifications, are carried aboard this aircraft at all times.

- 23. This aircraft is authorized for flights at air shows or air races conducted under a waiver (if required) issued in accordance with 14 CFR part 91.903.
- 24. Unless equipped for night and/or instrument flight in accordance with 14 CFR part 91.205, this aircraft must be operated VFR, Day only.
- 25. No person may be carried in this aircraft during the exhibition of the aircraft's flight capabilities, performance, or unusual characteristics at air shows, motion picture, television, or similar productions, unless essential for the purpose of the flight. Passengers may be carried during flights to and from any event outlined in the program letter or during proficiency flying, limited to the design seating capacity of the aircraft.
- 26. The PIC of this aircraft shall advise each person carried of the experimental nature of this aircraft.
- 27. Supersonic flight (true flight Mach number greater than 1) is prohibited unless specifically authorized under 14 CFR 91.817.
- 28. These operating limitations and airworthiness certificate are issued for an unlimited period, unless the aircraft base of operation is changed or if a transfer of ownership occurs, the new owner/operator will provide the local FSDO with a copy of the approved inspection program identifying the person responsible for scheduling and performing the inspections.
- 29. This aircraft shall not be used for glider towing, banner towing, or intentional parachute jumping.
- 30. This aircraft does not meet the requirements of the applicable, comprehensive, and detailed airworthiness code as provided by Annex 8 of the International Convention of Civil Aviation (ICAO). The owner/operator of this aircraft must obtain written permission from another country's Civil Airworthiness Authority (CAA) prior to operating this aircraft in or over that country. That written permission must be carried aboard the aircraft together with the U.S. airworthiness certificate and, upon request, be made available to an FAA inspector or the CAA in the country of operation.
- 31. In accordance with 14 CFR part 47.45, the FAA Aircraft Registry must be notified within 30 days for any change of the aircraft registrant's address. Such notification is to be made in the form of a submission of an FAA Form 8050-1, Aircraft Registration Application.
- 32. Aircraft instrument and equipment installed and used under 14 CFR part 91.205 must be inspected and maintained in accordance with the requirements for those instruments found in 14 CFR parts 43 and 91.

33. Flights outside the proficiency area stated in operating limitation number 19 above, to a maintenance facility to have maintenance performed are allowed, but the operator must notify the geographically responsible FSDO prior to the flight. The maintenance performed must be recorded in the aircraft logbook.

Date: July 26, 1999 (Amended)

Operating Limitations Date of Issue: February 21, 1997

Jerry B. McClellin

Aviation Safety Inspector, Airworthiness

BOI-FSDO

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SEE REVERSE SIDE

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS DISTRICT OFFICE 10100 Reunion Place, Suite 200 San Antonio, Texas 78216-4118

OPERATING LIMITATIONS - EXPERIMENTAL - EXHIBITION

MAKE <u>Hawker Siddeley</u>

MODEL Hunter TMK 7

SERIAL NO. XL617/41H695449 REGISTRATION NO. N617NL

THESE LIMITATIONS SHALL BE ACCESSIBLE TO THE PILOT

THIS AIRCRAFT SHALL BE OPERATED IN COMPLIANCE WITH THE FOLLOWING OPERATING LIMITATIONS:

- 1. No person may operate this aircraft unless the Special Airworthiness Certificate, FAA Form 8130-7, for this aircraft is displayed at the cabin or cockpit entrance so that it is legible to passengers or crew.
- 2. Application must be made to the geographically responsible FSDO for any revision to these operating limitations.
- 3. Accept for takeoffs and landings, this aircraft may not be operated over densely populated areas or in congested airways, except when otherwise directed by Air Traffic Control.
- 4. No person may be carried during flight unless that person is essential to the purpose of the flight.
- 5. No person may operate this aircraft for carrying persons or property for compensation or hire.
- 6. This aircraft is approved for aerobatics as listed:

Wing Over

Immelman

Spin

Aileron Roll Barrel Roll

Split S

Oll Cuban Eight

Loop

Vertical Recovery

- 7. This aircraft will not be operated unless the replacement times for life-limited parts specified in the applicable technical publications pertaining to the aircraft and its components are complied with. This aircraft, including its related components and systems, must be inspected in accordance with an approved inspection program selected under the provisions of 14 CFR part 91.409(f)(4), and shall be recorded in the aircraft maintenance records. This inspection program contains the following military technical publications: AP 102C-1512.17-6A, AP 101B-1302-3-3A, and AP 101B-1302-1.
- 8. Inspections shall be recorded in the aircraft maintenance records showing the following or a similarly worded statement: I certify that this aircraft has been inspected on (insert date) in accordance with the scope and detail of the Grace Aire, Inc., FSDO approved Inspection program dated February 21,1996, and found to be in a condition for safe operation. The entry will include the aircraft total time in service (cycles if appropriate); and the name, signature, and certificate type/number of the person performing the inspection.
- 9. Only FAA-certificated mechanics with appropriate ratings as authorized by 14 CFR part 43.3 may perform inspections required by these limitations.
- 10. The cognizant FAA FSDO must be notified, and their response received in writing, prior to flying this aircraft after incorporation of a major change as defined by 14 CFR part 21.93.
- 11. This aircraft must display the word EXPERIMENTAL in accordance with 14 CFR part 45.23(b).
- 12. This aircraft shall contain the placards, markings, etc., required by 14 CFR part 91.9.
- 13. The PIC of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the PIC must also hold either an appropriate type rating or a Letter of Authorization issued by an FAA Flight Standards Operations Inspector.
- 14. The PIC of this aircraft shall notify the air traffic control tower of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The PIC shall plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 15. The ejection seat system must be maintained in accordance with the manufacturer's procedures and inspected in accordance with the FSDO-approved inspection program entitled Grace Aire, Inc., dated <u>February 21,1996</u>.
- 16. The ejection seat system must be secured to prevent inadvertent operation of the system whenever the aircraft is parked.

- 17. This aircraft is prohibited from flight with any externally mounted equipment unless the equipment is permanently installed (in a manner that will prevent inflight jettison of the equipment). This permanent installation must be recorded in the aircraft logbook.
- 18. No person may operate this aircraft for other than the purpose of airshows, to exhibit the aircraft, or participate in events outlined in Grace Aire, Inc. program letter (or any amendments) describing compliance with 14 CFR part 21.193 (a). Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of 14 CFR part 91, and all additional limitations herein prescribed under the provisions of 14 CFR part 91.319(e). These operating limitations are a part of the FAA Form 8130-7 and are to be carried in the aircraft at all times for availability to the pilot. The following military technical publications are included in these limitations: AP 101B-1302-3-14, AP 101B-1302-3-15, AP 101B-1302-3-5M, AP 1302-5-5M, and AP 101B-1302-6-5M.
- 19. All proficiency/practice flights shall be conducted within a geographical area not to exceed 600 nautical miles of the aircraft home base airport. An exception is permitted for proficiency flying outside of the area stated above for organized formation flying, training, or checkout in conjunction with a specific event listed in the aircraft program letter (or amendments). The program letter should indicate the location and dates for this proficiency flying.
- 20. This aircraft is restricted to airports that are within airspace classes C, D, E, and G during proficiency flights, except in the case of a declared emergency or when otherwise directed by Air Traffic Control.
- 21. The owner/operator of this aircraft must submit an annual program letter update to the local FSDO that lists airshows, fly-ins, etc. that will be attended during the next year. This list will be subject to amendments, as required, by letter or facsimile transmission.
- 22. The owner/operator of this aircraft must ensure that a copy of the current program letter, and any modifications, are carried aboard this aircraft at all times.
- 23. This aircraft is authorized for flights at air shows or air races conducted under a waiver (if required) issued in accordance with 14 CFR part 91.903.
- 24. Unless equipped for night and/or instrument flight in accordance with 14 CFR part 91.205, this aircraft must be operated VFR, Day only.
- 25. No person may be carried in this aircraft during the exhibition of the aircraft's flight capabilities, performance, or unusual characteristics at air shows, motion picture, television, or similar productions, unless essential for the purpose of the flight. Passengers may be carried during flights to and from any event outlined in the program letter or during proficiency flying, limited to the design seating capacity of the aircraft.
- 26. The PIC of this aircraft shall advise each person carried of the experimental nature of this aircraft.

- 27. Supersonic flight (true flight Mach number greater than 1) is prohibited unless specifically authorized under 14 CFR 91.817.
- 28. These operating limitations and airworthiness certificate are issued for an unlimited period, unless the aircraft base of operation is changed or if a transfer of ownership occurs, the new owner/operator will provide the local FSDO with a copy of the approved inspection program identifying the person responsible for scheduling and performing the inspections.
- 29. This aircraft shall not be used for glider towing, banner towing, or intentional parachute jumping.
- 30. This aircraft does not meet the requirements of the applicable, comprehensive, and detailed airworthiness code as provided by Annex 8 of the International Convention of Civil Aviation (ICAO). The owner/operator of this aircraft must obtain written permission from another country's Civil Airworthiness Authority (CAA) prior to operating this aircraft in or over that country. That written permission must be carried aboard the aircraft together with the U.S. airworthiness certificate and, upon request, be made available to an FAA inspector or the CAA in the country of operation.
- 31. In accordance with 14 CFR part 47.45, the FAA Aircraft Registry must be notified within 30 days for any change of the aircraft registrant's address. Such notification is to be made in the form of a submission of an FAA Form 8050-1, Aircraft Registration Application.
- 32. Aircraft instruments and equipment installed and used under 14 CFR part 91.205 must be inspected and maintained in accordance with the requirements for those instruments found in 14 CFR parts 43 and 91.
- 33. Flights outside the proficiency area stated in operating limitation number 20 above, to a maintenance facility to have maintenance performed are allowed, but the operator must notify the geographically responsible FSDO prior to the flight. The maintenance performed must be recorded in the aircraft logbook.

February 21,1997 Date

Desiderio S. Adullar Aviation Saféty Inspector

SAT-FSDO

A MEMORANDUM TO FILE FOLDER HAS BEEN IMAGED

This aircraft record was sent to imaging without ever having been a microfiche. It went directly to imaging in its paper form. The pages on the registration side of the record are not numbered and family groupings are not identified.

In the imaging system, the registration side will be identified as a single document under the Document Type of ZRL, Converted Registration/Lien, the airworthiness side under ZAW, Converted Airworthiness, and the suspense documents are identified under ZSS.

Documents below this memorandum have been imaged and cannot be moved, removed, or changed.

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	F. 0	CERTIFICATION — I hereby certify the	hat I am the registered owner (or his agent) of the airci	raft described above, that the aircraft is	registered with the Federal Aviation Administration in									
		cordance with Section 501 of the Fe scribed.	derai Aviation Act of 1958, and applicable Federal A	viation Regulations, and that the arci	raft has been inspected and is airworthy for the flight									
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z		A. Operating Limitations and Markin	ngs in Compliance with FAR	G. Statement of Conformity, FAA Form 8130-9 (Attach when required)										
VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)		91.31 as Applicable		H. Foreign Airworthiness Certification for Import Aircraft										
HIN TA	П	B. Current Operating Limitations A	ttached	(Attach when required)										
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UNITED STATES OF AMERICA DEPA ENT OF TRANSPORTATION - FEDERAL AVIATION ADM TRATION SPECIAL AIRWORTHINESS CERTIFICATE EXPERIMENTAL. CATEGORY/DESIGNATION EXHIBITION PURPOSE H/A NAME MANU-FACTURER ADDRESS H/AH/AFROM C **FLIGHT** TO N/A DITHL 4111695449(XL617 N---SERIAL NO. D HAVICER HUNTER T ME BUILDER MODEL DATE OF ISSUANCE FEBRUARY 21, 1996 FEBRUARY 21. 1997 **EXPIRY** OPERATING LIMITATIONS DATED ARE A PART OF THIS CERTIFICATE E SIGNATURE OF FAA REPRESENTATIVE DESIGNATION OR OFFICE NO. GARY F. WOLTHY SW17

Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

Α	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
В	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
С	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS DISTRICT OFFICE 10100 Reunion Place, Suite 200 San Antonio, Texas 78216-4118

OPERATING LIMITATIONS - EXPERIMENTAL - EXHIBITION

MAKE Hawker Siddeley

MODEL Hunter TMK 7

SERIAL NO. XL617/41H695449

REGISTRATION NO. N617NL

THESE LIMITATIONS SHALL BE ACCESSIBLE TO THE PILOT

THIS AIRCRAFT SHALL BE OPERATING IN COMPLIANCE WITH THE FOLLOWING OPERATING LIMITATIONS:

- 1. No person may operate this aircraft unless the Special Airworthiness Certificate, FAA Form 8130-7, for this aircraft is displayed at the cabin or cockpit entrance so that it is legible to passengers or crew.
- 2. Application must be made to the geographically responsible FSDO for any revision to these operating limitations.
- 3. Accept for takeoffs and landings, this aircraft may not be operated over densely populated areas or in congested airways, except when otherwise directed by Air Traffic Control.
- 4. No person may be carried during flight unless that person is essential to the purpose of the flight.
- 5. No person may operate this aircraft for carrying persons or property for compensation or hire.
- 6. This aircraft is approved for aerobatics as listed:

Wing Over

Immelman

Spin

Aileron Roll

Split S

Barrel Roll

Cuban Eight

Loop

Vertical Recovery

7. This aircraft will not be operated unless the replacement times for life-limited parts specified in the applicable technical publications pertaining to the aircraft and its components are complied with. This aircraft, including its related components and systems, must be inspected in accordance with an approved inspection program selected under the provisions of 14 CFR part 91.409(f)(4), and shall be recorded in the aircraft maintenance records. This inspection program contains the following military technical publications: AP 102C-1512.17-6A, AP 101B-1302-3-3A, and AP 101B-1302-8. Inspections shall be recorded in the aircraft maintenance records showing the following or a similarly worded statement: I certify that this aircraft has been inspected on (insert date) in accordance with the scope and detail of the Grace Aire, Inc., FSDO approved Inspection program dated February 21,1996, and found to be in a condition for safe operation. The entry will include the aircraft total time in service (cycles if appropriate); and the name, signature, and certificate type/number of the person performing the inspection. 9. Only FAA-certificated mechanics with appropriate ratings as authorized by 14 CFR part 43.3 may perform inspections required by these limitations. The cognizant FAA FSDO must be notified, and their response received in writing. prior to flying this aircraft after incorporation of a major change as defined by 14 CFR part 21.93. 11. This aircraft must display the word EXPERIMENTAL in accordance with 14 CFR part 45.23(b). 12. This aircraft shall contain the placards, markings, etc., required by 14 CFR part 91.9. 13. The PIC of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the PIC must also hold either an appropriate type rating or a Letter of Authorization issued by an FAA Flight Standards Operations Inspector. 14. The PIC of this aircraft shall notify the air traffic control tower of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The PIC shall plan routing that will avoid densely populated areas and congested airways when operating VFR. 15. The ejection seat system must be maintained in accordance with the manufacturer's procedures and inspected in accordance with the FSDO-approved inspection program entitled Grace Aire, Inc., dated February 21,1996. 16. The ejection seat system must be secured to prevent inadvertent operation of the system whenever the aircraft is parked.

17. This aircraft is prohibited from flight with any externally mounted equipment unless the equipment is permanently installed (in a manner that will prevent inflight jettison of the equipment). This permanent installation must be recorded in the aircraft logbook. 18. No person may operate this aircraft for other than the purpose of airshows, to exhibit the aircraft, or participate in events outlined in Grace Aire, Inc. program letter (or any amendments) describing compliance with 14 CFR part 21.193 (a). Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of 14 CFR part 91, and all additional limitations herein prescribed under the provisions of 14 CFR part 91.319(e). These operating limitations are a part of the FAA Form 8130-7 and are to be carried in the aircraft at all times for availability to the pilot. The following military technical publications are included in these limitations: AP 101B-1302-3-14, AP 101B-1302--3-15, AP 101B-1302-3-5M, AP 1302-5-5M, and AP 101B-1302-6-5M. 19. All proficiency/practice flights shall be conducted within a geographical area not to exceed 600 nautical miles of the aircraft home base airport. An exception is permitted for proficiency flying outside of the area stated above for organized formation flying. training, or checkout in conjunction with a specific event listed in the aircraft program letter (or amendments). The program letter should indicate the location and dates for this proficiency flying. 20. This aircraft is restricted to airports that are within airspace classes C, D, E, and G during proficiency flights, except in the case of a declared emergency or when otherwise directed by Air Traffic Control. 21. The owner/operator of this aircraft must submit an annual program letter update to the local FSDO that lists airshows, fly-ins, etc. that will be attended during the next year. This list will be subject to amendments, as required, by letter or facsimile transmission. 22. The owner/operator of this aircraft must ensure that a copy of the current program letter, and any modifications, are carried aboard this aircraft at all times. 23. This aircraft is authorized for flights at air shows or air races conducted under a waiver (if required) issued in accordance with 14 CFR part 91.903. 24. Unless equipped for night and/or instrument flight in accordance with 14 CFR part 91.205, this aircraft must be operated VFR, Day only. 25. No person may be carried in this aircraft during the exhibition of the aircraft's flight capabilities, performance, or unusual characteristics at air shows, motion picture, television, or similar productions, unless essential for the purpose of the flight. Passengers may be carried during flights to and from any event outlined in the program letter or during proficiency flying, limited to the design seating capacity of the aircraft. 26. The PIC of this aircraft shall advise each person carried of the experimental nature of this aircraft.

- 27. Supersonic flight (true flight Mach number greater than 1) is prohibited unless specifically authorized under 14 CFR 91.817.
- 28. These operating limitations and airworthiness certificate will bear a one year expiration date, and when the aircraft base of operation is changed or there is a transfer of ownership the new owner/operator will provide the local FSDO with a copy of the approved inspection program identifying the person responsible for scheduling and performing the inspections.
- 29. This aircraft shall not be used for glider towing, banner towing, or intentional parachute jumping.
- 30. This aircraft does not meet the requirements of the applicable, comprehensive, and detailed airworthiness code as provided by Annex 8 of the International Convention of Civil Aviation (ICAO). The owner/operator of this aircraft must obtain written permission from another country's Civil Airworthiness Authority (CAA) prior to operating this aircraft in or over that country. That written permission must be carried aboard the aircraft together with the U.S. airworthiness certificate and, upon request, be made available to an FAA inspector or the CAA in the country of operation.
- 31. In accordance with 14 CFR part 47.45, the FAA Aircraft Registry must be notified within 30 days for any change of the aircraft registrant's address. Such notification is to be made in the form of a submission of an FAA Form 8050-1, Aircraft Registration Application.
- 32. Aircraft instruments and equipment installed and used under 14 CFR part 91.205 must be inspected and maintained in accordance with the requirements for those instruments found in 14 CFR parts 43 and 91.
- 33. Flights outside the proficiency area stated in operating limitation number 20 above, to a maintenance facility to have maintenance performed are allowed, but the operator must notify the geographically responsible FSDO prior to the flight. The maintenance performed must be recorded in the aircraft logbook.

February 21,1996 Date Gary F. Worthy
Aviation Safety Inspector

SAT-FSDO

US Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification SAT-FSD0

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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work completed.)

Installed GARMIN GPS 165 at station -168 and GA 56 antenna at station -32 in accordance with GARMIN install manual P/N 190-00066-02. The GPS is not approved for IFR, a placard was placed on the panel stating "GPS NOT APPROVED FOR IFR".

Metal work on this aircraft has been accomplished in accordance with Advisory Circular 43.13-1A, Chp. 2, and Chp. 5. Circuit protection was installed and electrical loads were checked in accordance with Advisory Circular 43.13-1A Chp.11, section 2, and 43.13-2A, Chp. 2, Par. 27.

All radio installations listed on this 337 were accomplished in accordance with Advisory Circular 43.13-2A, Antenna installation in accordance with 43.13-2A Chp. 3, and instrument installation in accordance with 43.13-2A, Cap. 11.

The Aircraft equipment list revised to reflect these changes. Weight and balance revised and recorded in the aircraft records this date.

A functional test of all of the equipment listed on this 337 has been performed in accordance with FAR 23.1301 and checked in accordance with FAR 23.1431 for operating satisfactorily and did not adversely effect any other components in the aircraft.

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	A. HEGISTERED OWNER (As shown on certificate of aircraft registration) IF DEALER, CHECK HERE NAME ADDRESS																			
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THE CERTIFICATE REQUESTED

CERTIFICATE HOLDER UNDER:

FAA INSPECTOR

DESIGNEE'S SIGNATURE AND NO.

AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE

FAR 65

FAA DESIGNEE

FAR 121, 127 or 135

FAR 145

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks in items A and B)

B. Inspection for a special flight permit under Section VII was conducted by:

A. I find that the aircraft described in Section I or VII meets requirements for:

DISTRICT OFFICE

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5	SIGNATURE OF	FAA REPRESENTATIVE -30	DESIGNATION OR OFFICE NO.						
	****	Emil F Maple							
لـــا	181	L Y. MIRRLAR	CX-51						
Any imor	alteration, repression	oduction or misuse of this certificate may be p	unishable by a fine not exceeding \$1,000 or						
ACC	ORDANCE WIT	oduction or misuse of this certificate may be p xceeding 3 years, or both. THIS CERTIFICATE N 'H APPLICABLE FEDERAL AVIATION REGULAT	1005 BE DISPLAYED IN THE AIRCRAFT IN						

FAA FORM 8130-7 (10/82)

SEE REVERSE SIDE

Α	This airworthiness or dificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
В	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate: (2) over any foreign country without the special permission of that country.
Е	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

ALL C CDO: 1088-562-538

UNITED STATES OF AMERICA TMENT OF TRANSPORTATION - FEDERAL AVIATION A NISTRATION SPECIAL AIRWORTHINESS CERTIFICATE CATEGORY/DESIGNATION EXPERIMENTAL PURPOSE SHOWING COMPLIANCE WITH FAR 91.319(b) NAME MANU-FACTURER ADDRESS N/A FROM FLIGHT TO N/A N-617NTSERIAL NO. 41 H695449 ח BUILDER HAWKER MODEL DATE OF ISSUANCE MARCH EXPIRY OPERATING LIMITATIONS DAZED 03/19/92 ARE A PART OF THIS CERTIFICATE F SIGNATURE OF FAA BEPRESENTATIVE DESIGNATION OR OFFICE NO. mush CE-51 Emil F Miehlke

Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA FORM 8130-7 (10/82)

SEE REVERSE SIDE

Α	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
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E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

SMALL AIRPLANE DIRECTORATE
MOBILE MANUFACTURING INSPECTION
SATELLITE OFFICE
P.O. BOX 5196, BAYSIDE STATION
MOBILE, AL 36605-0196

DATE: MARCH 21, 1992 ACFT MAKE: Hawker Acft Model: Hunter T MK 7 Regis No.: N617NL Serial No.:41H695449 (XL617)

EXPERIMENTAL LIMITATIONS (EXHIBITION)

- NO PERSON MAY OPERATE THIS AIRCRAFT FOR OTHER THAN THE PURPOSE(S) OF EXHIBITION TO ACCOMPLISH APPLICANT'S PROGRAM LETTER, DATED MAY 21, 1992. ADDITIONALLY, THIS AIRCRAFT SHALL BE OPERATED IN ACCORDANCE WITH APPLICABLE AIR TRAFFIC AND OPERATING RULES OF FAR 91, AND ALL ADDITIONAL LIMITATIONS HEREIN PRESCRIBED UNDER THE PROVISIONS OF FAR 91.319(e).
- 2. THIS AIRCRAFT DOES NOT MEET WITH THE REQUIREMENTS OF THE APPLICABLE COMPREHENSIVE AND DETAILED AIRWORTHINESS CODE AS PROVIDED BY ANNEX 8 TO THE CONVENTION ON INTERNATIONAL CIVIL AVIATION. NO PERSON MAY OPERATE THE AIRCRAFT DESCRIBED ABOVE OVER ANY FOREIGN COUNTRY WITHOUT THE SPECIAL PERMISSION OF THAT COUNTRY.
- EXCEPT FOR TAKE-OFFS AND LANDINGS, THIS AIRCRAFT SHALL NOT BE OPERATED OVER DENSELY POPULATED AREAS OR IN CONGESTED AIRWAYS.
- 4. THIS AIRCRAFT IS AUTHORIZED FOR EXHIBITION FLIGHTS AND/OR STATIC DISPLAY AT AIR SHOWS, AND MOTION PICTURES CONDUCTED UNDER A WAIVER ISSUED IN ACCORDANCE WITH FAR 91.903. (WAIVERS ARE NOT REQUIRED FOR MOTION PICTURES, WHEN IN COMPLIANCE WITH FAR 91). FLIGHTS TO AND FROM THESE EVENTS ARE ALSO AUTHORIZED.
- 5. FLIGHTS BETWEEN THE AIRCRAFT'S BASE OF OPERATION AND EACH (AIR SHOW, MOTION PICTURE LOCATION, ETC.)
 SHALL BE APPROVED BY THE LOCAL FAA OFFICE HAVING COGNIZANCE OVER THE AIRCRAFT'S BASE OF OPERATION.
- 6. THE PILOT-IN-COMMAND OF THIS AIRCRAFT MUST, AS APPLICABLE, HOLD AN APPROPRIATE CATEGORY/CLASS RATING, HAVE AN AIRCRAFT TYPE RATING, HAVE A FLIGHT INSTRUCTOR'S LOG BOOK ENDORSEMENT OR POSSESS A "LETTER OF AUTHORIZATION", ISSUED BY AN FAA FLIGHT STANDARDS INSPECTOR.
- 7. THIS AIRCRAFT SHALL NOT BE FLOWN UNLESS IT IS MAINTAINED AND OPERATED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL PUBLICATIONS OR MANUFACTURERS' INSTRUCTIONS FOR AIRCRAFT AS IDENTIFIED AS FOLLOWS: A.P.102C-1512.17-6A, A.P.101B-1302-3-3A, A.P.101B-1302-1, A.P.101B-1302-3-14, A.P.101B-1302-3-15, A.P.101B-1302-3-5M, A.P.1302-5-5M, AND AP101B-1302-6-5M.
- 8. UNLESS APPROPRIATELY EQUIPPED FOR NIGHT AND/OR INSTRUMENT FLIGHT IN ACCORDANCE WITH FAR 91.33, THIS AIRCRAFT SHALL BE OPERATED DAY VFR ONLY.
- 9. THIS AIRCRAFT SHALL CONTAIN THE MARKINGS, PLACARDS, ETC. REQUIRED BY FAR'S 45.23 AND 91.9.
- 10. NO PERSON MAY BE CARRIED IN THIS AIRCRAFT DURING FLIGHT UNLESS THAT PERSON IS REQUIRED FOR THE PURPOSE OF THE FLIGHT.
- 11. THIS AIRCRAFT IS APPROVED FOR AEROBATICS AS LISTED: WING OVER, AILERON ROLL, BARREL ROLL, LOOP, IMMELMAN, SPLIT S, CUBAN EIGHT, VERTICAL RECOVERY, SPIN.
- 12. NO PERSON SHALL OPERATE THIS AIRCRAFT UNLESS WITHIN THE PRECEDING 12 CALENDAR MONTHS IT HAS HAD A CONDITION INSPECTION PREFORMED IN ACCORDANCE WITH APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. ADDITIONALLY, THIS INSPECTION SHALL BE RECORDED IN ACCORDANCE WITH LIMITATION (14) LISTED BELOW.
- 13. ONLY FAA-CERTIFICATED AND RATED AIRFRAME AND POWERPLANT MECHANICS AND APPROPRIATELY RATED REPAIR STATIONS MAY PERFORM CONDITION INSPECTIONS IN ACCORDANCE WITH APPENDIX D OF PART 43.

- 14. CONDITION INSPECTIONS SHALL BE RECORDED IN THE AIRCRAFT MAINTENANCE RECORDS SHOWING THE FOLLOWING OR A SIMILARLY WORDED STATEMENT: "I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON (INSERT DATE) IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION." THE ENTRY WILL INCLUDE THE AIRCRAFT TOTAL TIME-IN SERVICE, THE NAME, SIGNATURE, AND CERTIFICATE TYPE AND NUMBER OF THE PERSON PERFORMING THE INSPECTION.
- 15. THIS AIRCRAFT SHALL NOT BE OPERATED EXCEPT IN COMPLIANCE WITH THE INSPECTION REQUIREMENTS OF FAR 91.409(d), PROGRESSIVE INSPECTION REQUIREMENTS.
- 16. EJECTION SEATS SHALL BE MAINTAINED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL ORDERS AND/OR THE MANUFACTURER'S MAINTENANCE PROCEDURES.
- 17. PARACHUTES SHALL BE WORN BY CREW MEMBERS AT ALL TIMES DURING FLIGHT.
- 18. ANY MAJOR CHANGE TO THIS AIRCRAFT AS DEFINED BY FAR 21.93 INVALIDATES THIS SPECIAL AIRWORTHINESS CERTIFICATE.

EMIL F. MIEHLKE

AVIATION SAFETY INSPECTOR/MFG

CE-51



NORTHERN LIGHTS AIRCRAFT, INC.

May 21, 1991

Mr. Emil Miehlke FAA, MOB-MISO-CE Box 5196 Bayside Station Mobile, Alabama 36605-0196

Dear Mr. Miehlke:

The enclosed application for Airworthiness Certificate is submitted for Hunter TMk 7 N617NL, in accordance with FAA Order 8130.2b. Accompanying the application (2 copies) and this program letter are a copy of the Certificate of Registration, Form 337 (Starter Modification, 3 copies) and requested operating limitations.

An Experimental-Exhibition certification is requested, under which the aircraft will be utilized for; airshow appearances, television and motion picture production and pilot proficiency. In addition to the requested operating limitations, the following aerobatic maneuvers will be evaluated for approval under FAA 91.42 (b):

- (1) Wing over
- (2) Aileron roll
- (3) Barrel roll
- (4) Loop
- (5) Immelman
- (6) Split S
- (7) Cuban eight
- (8) Vertical recovery
- (9) Spin

Flight testing of the airplane to satisfy the requirements of FAR 91.42 (b), will be in accordance with RAF Publication F.T.S.-TMk 7, 8, 8B, 8C, "Flight Testing of Production and Repaired Hunter Aircraft".

A copy of our Hawker Hunter maintenance inspection schedule is on file at the Birmingham FSDO. To facilitate certification, a copy of FAA Form 337 detailing the installation of an electric starter on Hunter N576NL and a copy of operating limitations on N576NL, are enclosed.

Sincerely,

T. E. Archer

Vice President

Enclosures: 9

cc: Mr. Harley Pickett

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VI. PRODUCTION FLIGHT TESTING	В.	PRODUCTION BASIS (Check applicable item)										
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85 155		TYPE CERTIFICATE ONLY		•		·						
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	C.	GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS										
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, z	ر ا	A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable * ********************************	L	G. Statement of Conformity, FA	+							
VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)	٤			H. Foreign Airworthiness Certif (Attach when required)	lication for Import A	ircraft						
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VIII.	Ļ	E. Major Repair and Alteration, FAA Form 337 (Attach when required)	J. Current Airworthiness Certificate Issued in Accordance with FAR 21-1915 (Copy attached)									
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		SPECIAL AIRWORTHINESS (JERTIFICATE
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Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

Α	This airworthingss certificate is issued under the authority of the ਇੰderal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
В	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
С	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
Е	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

NORTHEDN

NORTHERN LIGHTS AIRCRAFT, INC.

May 21 , 1991

Mr. Emil Miehlke FAA, MOB-MISO-CE Box 5196 Bayside Station Mobile, Alabama 36605-0196

Dear Mr. Miehlke:

The enclosed application for Airworthiness Certificate is submitted for Hunter TMk 7 N617NL, in accordance with FAA Order 8130.2b. Accompanying the application (2 copies) and this program letter are a copy of the Certificate of Registration, Form 337 (Starter Modification, 3 copies) and requested operating limitations.

An Experimental-Exhibition certification is requested, under which the aircraft will be utilized for; airshow appearances, television and motion picture production and pilot proficiency. In addition to the requested operating limitations, the following aerobatic maneuvers will be evaluated for approval under FAA 91.42 (b):

- (1) Wing over
- (2) Aileron roll
- (3) Barrel roll
- (4) Loop
- (5) Immelman
- (6) Split S
- (7) Cuban eight
- (8) Vertical recovery
- (9) Spin

Flight testing of the airplane to satisfy the requirements of FAR 91.42 (b), will be in accordance with RAF Publication F.T.S.-TMk 7, 8, 8B, 8C, "Flight Testing of Production and Repaired Hunter Aircraft".

A copy of our Hawker Hunter maintenance inspection schedule is on file at the Birmingham FSDO. To facilitate certification, a copy of FAA Form 337 detailing the installation of an electric starter on Hunter N576NL and a copy of operating limitations on N576NL, are enclosed.

Sincerely,

T. E. Archer Vice President

Enclosures: 9

cc: Mr. Harley Pickett

SMALL AIRPLANE DIRECTORATE MOBILE MANUFACTURING INSPECTION SATELLITE OFFICE P.O. BOX 5196, BAYSIDE STATION MOBILE, AL 36605-0196 EXPERIMENTAL LIMITATIONS(Showing Compliance) DATE: March 19, 1992 ACFT MAKE: Hawker ACFT MODEL: Hunter T MK 7 REGIS NO.: N617NL SERIAL NO.: 41H695449 (XL617) NO PERSON MAY OPERATE THIS AIRCRAFT FOR OTHER THAN THE PURPOSE(S) OF SHOWING COMPLIANCE to the FAR ADDITIONALLY, THIS AIRCRAFT SHALL BE OPERATED IN ACCORDANCE WITH APPLICABLE AIR TRAFFIC AND OPERATING RULES OF FAR 91, AND ALL ADDITIONAL LIMITATIONS HEREIN PRESCRIBED UNDER THE PROVISIONS OF FAR 91.319(e). THE PILOT-IN-COMMAND OF THIS AIRCRAFT MUST, AS APPLICABLE, HOLD AN APPROPRIATE CATEGORY/CLASS RATING, HAVE AN AIRCRAFT TYPE RATING, HAVE A FLIGHT INSTRUCTOR'S LOG BOOK ENDORSEMENT OR POSSESS A "LETTER OF AUTHORIZATION", ISSUED BY AN FAA GENERAL AVIATION OR AIR CARRIER OPERATIONS INSPECTOR. THIS AIRCRAFT SHALL NOT BE FLOWN UNLESS IT IS MAINTAINED AND OPERATED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL PUBLICATIONS OR MANUFACTURERS' INSTRUCTIONS FOR THE AIRCRAFT AS IDENTIFIED AS FOLLOWS: A.P.102C-1512.17-6A, A.P.101B-1302-3-3A, A.P.101B-1302-1, A.P.101B-1302-3-14, A.P.101B-1302-3-15, A.P.101B-1301-7-9-6A and A.P.101B-1302-3-5-6-5M. ALL FLIGHTS SHALL BE CONDUCTED WITHIN THE GEOGRAPHICAL AREA DESCRIBED AS FOLLOWS: A 50 MILE WIDE CORRIDOR THAT RUNS NORTH TO SOUTH, CENTERED ON MONTGOMERY, ALABAMA, THE LENGTH OF THE STATE. TEST FLIGHTS SHALL BE CONDUCTED OVER SPARSELY POPULATED AREAS OR OVER OPEN WATER. THIS AIRCRAFT IS AUTHORIZED DAY VFR/IFR FLIGHT ONLY. THIS AIRCRAFT SHALL CONTAIN THE MARKINGS, PLACARDS, ETC, REQUIRED BY FAR'S 45.23 AND 91.9. NO PERSON MAY BE CARRIED IN THIS AIRCRAFT DURING FLIGHT UNLESS THAT PERSON IS REQUIRED FOR THE PURPOSE OF THE FLIGHT. THE COGNIZANT FAA FLIGHT STANDARDS OFFICE MUST BE NOTIFIED AND THEIR RESPONSE RECEIVED IN WRITING, PRIOR TO FLYING THIS AIRCRAFT AFTER INCORPORATING A MAJOR CHANGE AS DEFINED BY FAR 21.93. NO PERSON SHALL OPERATE THIS AIRCRAFT UNLESS WITHIN THE PRECEEDING 12 CALENDAR MONTHS IT HAS HAD A CONDITION INSPECTION PREFORMED IN ACCORDANCE WITH APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. ADDITIONALLY, THIS INSPECTION SHALL BE RECORDED IN ACCORDANCE WITH LIMITATION (11) LISTED BELOW. 10. ONLY FAA-CERTIFICATED AND RATED AIRFRAME AND POWERPLANT MECHANICS AND APPROPRIATELY RATED REPAIR STATIONS MAY PERFORM CONDITION INSPECTIONS IN ACCORDANCE WITH APPENDIX D OF PART 43. 11. CONDITION INSPECTIONS SHALL BE RECORDED IN THE AIRCRAFT MAINTENANCE RECORDS SHOWING THE FOLLOWING OR A SIMILARLY WORDED STATEMENT: "I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON (INSERT DATE) IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION." THE ENTRY WILL INCLUDE THE AIRCRAFT TOTAL TIME-IN SERVICE, THE NAME, SIGNATURE, AND CERTIFICATE TYPE AND NUMBER OF THE PERSON PERFORMING THE INSPECTION. 12. THIS AIRCRAFT SHALL NOT BE OPERATED EXCEPT IN COMPLIANCE WITH THE INSPECTION REQUIREMENTS OF FAR 91.409(d), PROGRESSIVE INSPECTION REQUIREMENTS. 13. EJECTION SEATS SHALL BE MAINTAINED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL ORDERS AND/OR THE MANUFACTURER'S MAINTENANCE PROCEDURES.

- 14. PARACHUTES SHALL BE WORN BY THE PILOT, CO-PILOT, OR OCCUPANT.
- 15. THIS AIRCRAFT SHALL REMAIN IN THE TEST FLIGHT AREA A MINIMUM OF THREE FLIGHT HOURS, OR LONGER, TO DEMONSTRATE THAT THE AIRCRAFT IS CONTROLLABLE THROUGHOUT ITS NORMAL RANGE OF SPEEDS AND THROUGHOUT ALL THE MANEUVERS TO BE EXECUTED, AND THE AIRCRAFT HAS NO HAZARDOUS OR OPERATING DESIGN FEATURES.

NOTE! UPON COMPLETION OF THE TEST FLIGHTS, RECORD COMPLIANCE WITH FAR 91.319(b) AND THE AEROBATIC MANUVERS SUCCESSFULLY DEMONSTRATED IN THE AIRCRAFT LOG BOOK.

Emil F. Miehlke

AVIATION SAFETY INSPECTOR/MFG

MOB-MISO-CE CE51

. US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Rolls Royce Avon MK. 12200 Engine Starter modification.

- 1. Removed pneunatic starter IAW Rolls Royce Avon technical data.
- 2. Replaced pneumatic starter unit with a Lucas; model C6803, electric starter IAW Rolls Royce Avon technical data.
- 3. Lucas model C6803 electric starter is an authorized and compatable started unit for this engine as stated in Rolls Royce Avon technical data.
- 4. Operational check of starting system copleted IAW Rolls Royce Avon technical data.
- 5. New aircraft weight and balance recomputed for starter weight difference and electrical source weight and location.

DEPARTMENT OF THE TREASURY - BUREAU OF ALCOHOL, TOBACCO AND FIREARMS

RELEASE AND RECEIPT OF IMPORTED FIREARMS, AMMUNITION

AND IMPLEMENTS OF WAR (See Distructions on Back)

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	DEPARTMENT OF THE TREASURY	AUTEA.	<u> </u>			-		₹ОЯМ ≜РР Я	OVED:	OM8 No. 151	7-0017(4/30/88)
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C DEPARTMENT OF THE TREASURY - QUREAU OF ALCOHOL-TOBACCO AND FIREARMS FORM APPROVED: DMB No. 1517-0017 (04/30/91) APPLICATION AND PERMIT FOR IMPORTATION OF FIREARMS. FOR ATP USE ONLY AMMUNITION AND IMPLEMENTS OF WAR FERMIT NO. NOT FOR USE BY MEMBERS OF THE UNITED STATES ARMED FORCES (Submit in triplicate) SECTION I - APPLICATION 1. FEDERAL AIREARNS LICENSE (IF ANY) 2. TELEPHONE NO. S. COUNTRY OF EXPORTATION LICENSE NO EXPIRATION DATE BENDANK 612-476-0386 e. HETURN APPROVED PERMIT TO WATER AND, adding and ZIP Code II different UNITED KINGDOM S. APPLICANT'S NAME AND ADDRESS (IMMODING 20 Code) NORTHERN LICHTS AIRCRAFT, INC. NORTHERN LIGHTS AIRCRAFT, INC. 601 LAKESHORE PARKWAY, SUITE 1275 601 LAKESHORE PARKWAY, SUITE 1275 MINNEAPOLIS, MN 55343 MINNEAPOLIS, MN 55343 6. HAME AND ADDRESS OF FOREIGN SELLER 7. NAME AND ADDRESS OF FOREIGH SHIPTER HUNTER WING LIMITED GRAY TUPLIN 6 COMMERCIAL STREET EAGLE HOUSE ST. HELIER, JERSEY, CHANNEL ISLANDS 155 BRENT ROAD SOUTHALL, MIDDLESEX UB2SLJ, ENGLAND 8. DESCRIPTION OF FIREARMS AND AMMUNITION (For Serving, with ISG)—Shotpun; (RI)—RHILL (RI)—Pistol; IRE!—Revolved Çaliber Gauge Or bize 1501 (#11,04) name and address of manufacturer MODEL LENGTH DVERALL LENGTH OK Bampisi UKRO OA OA QUANTITY (REI DESIGN. WHIT NO. (Inches) (anti) ь đ • THIS PERSIT POES NOT AUTHORIZE THE IMPORTATION OF ANY ARCHAFT CARRION, MAGRING CURL OR OTHER ARCHAFT ARMATICHT, INCLUDING THE FRAME, ACTION OR RECEIVER THE STATE VANCES. Wad. cump, Shal, ALCOHOL: YALL TO ALL THE (See Art I thru XII (Except finances & amounts at U.S. Munitions (misort List, 77 CFA Part 47) Š AIRCRAFT COMPONENTS CONSISTING OF WINGS, TAIL AND I HAWKER AIRCRAFT (AKA CENTER FUSELAGE SECTION OF HAWKER HUNTER AIRCRAFT \$75,000 BRITISH AEROSPACE) TMK7 SERIAL NO. 41H-695449, RAF TAIL NO. XL617 UNITED KINGDOM ATTACHED LIST INCLUDES SPARE PARTS AND TECH DATA FOR HANKER HINTER TO PECIFIC PURPOSE OF IMPORTATION IUM ACCITION SHOW AFTER RESTORATION OF COMPONENTS, APPLICANT INTENDS TO REBUILD COMPLETE AIRCRAFT, OBTAIN FAA CERTIFICATION AND MARKET USE OF AIRCRAFT TO U.S. GOV"T FOR CONTRACT FLIGHT SERVICES. O. ARE YOU REGISTERED PURSUANT TO THE AMMS II, IF "YES", GIVE REGISTRATION NO. EXPORT CONTROL ACT OF 1916 13 VE 8 XXX A-90-299-1115 Under the panalties provided by law, I declare that I have examined this application, including the documents submitted in support of it, and, to the best (expires 11/15/90) 2 BIGNATURE OF APPLICANT of my knowledge and belief, it is true, correct, and complete. . . 14, DAYE reside SECTION II - FOR ATF USE ONLY (Please make no entries in this section) 5. THE APPLICATION HAS BEEN EXAMINED AND THE IMPORTATION OF THE FIREARMS, AMMUNITION, AND IMPLEMENTS OF WAR DESCRIBED HEREIN IS: PARTIACLY APPROVED FOR THE REASON HUICATED HERE OR ON ATTACHED LETTER DISAFPROVED FOR THE REAEDN INDICATED HARE OR ON ATTACHED LETTER

L SIGNATURE OF THE DIRECTOR, RIPEAULOR ALCOHOL, TOBACCO AND PIREARMS

TF FORM G. PART I (5330,2A) (1285)

DEC"05 1989

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DEPARTMENT O	F THE TREA	Sury							(5 No. 1512-002	
Bureau of Alpohol,	Tobosco eris Faci	oms			REGISTRATION NUME	FOR A	TF USE O		·	
APPLICATION TO REGIS U.S. MUNITIONS IN	ነርለ <i>ዲ</i> ኃ ለጋነ የደለ ድን ነገር	IMPORT	ER OF	•			EXPIRATION DAT			
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	ons on reverse				~				_	
To: Director, Bureau of Alcohol, Tobe	ICCO and Fire	rtos, Attentio	on: Fire	ama an	d Explosives Imports 6	Branch, \	Vachingro	ton, D.C. 20226		
The undersigned hereby makes applied Export Control Act of 1976.	reget of nega	er 85 an impe	orter of	I U.S. M	unitions import List as	ticies as	required t	y Sect	ion 28, Atm	
1. NAME AND ADDRESS (Include ZIP Coo				2. TEL	EPHONE NO. (Area Cod	9) 3	L CURREN	TALC	.Δ.	
Northern Lights Aircra	ft, Inc.			612	-476-0386		REGISTR	МОПА	NO.	
601 Lakeshore Parkway, Minneapolis, MN, 55343	Suite 1	.275			4300		NONE			
4. REQUEST TO REGISTER FOR I Dreck of	ne, enclose che	ck or money a	edge for	Dayman	Of the producers S 1		-1	-		
1 1-YEAR - FEE 2 YEARS	- FEE	[] 3 YEA [] 15 \$70	H\$ F	FEE				14M4	-	
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☐ INDIVIDUAL ☐ PARTNER		В сонро	HATION	4	OTHER □ <i>(\$pecity)</i>					
6. DATE AND PLACE OF INCORPORATION	OR COMMEN	CEMENT OF B	USINES	S8.						
Incorporated Oct 18, 1	988, Min	neapolis	, MN	I. USA						
7. FEDERAL FIREARMS : UCENSE NUMBER	CLASS OF	EXPIRATIO			B. SPECIAL (OCC	JPATION.	ALI TAX S	TAMP (if any)	
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FULL NAME		ION AND	1			<u> </u>		-		
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Thomas E. Archer	Vice 1	Presiden 3-6973				Long Beach, Ca		ı, CA	2/26/5	
	200~0	J-03/3	mon	cgome	ry, AL 36106					
Richard Earl Fons	CH.Fi	an Off	125	16 Ov	erlook Ct	Raci	ne, WI	•	4/29/46	
Nanay Cal	391-40	5-5698	Min	neton	ka, MN 55343		•		+/ ##/ 40	
Nancy Salmon Gould	Direct	tor Zanska	105	61 Mo	rgan Ave.So.	New	York,	MA	5/18/35	
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Applicant int have been rea	co spaga noved	import	TOTA	er mi	litary sircra	ft, f	rom wh	ich	firearm	
	oven.									
11. United States munitions import	LIST ARTICLES	S USUALLY IN	PORTE	D (Specif	y categories)		·			
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and Hawker Hunter.									~ - •	
12. PURPOSE OF IMPORTING MUNITIONS	IMPORT LIST	ARTICLES						17 14	HAT PERCEN	
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77. SIGNATURE OF DIRECTOR, BUTEAU OF		OBACCO AND	MRSAF	RMS			-	18. 04	TE	

. US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
Budget Bureau No. 04-R060.1

FOR F.1.4 USE ONLY
OFFICE IDENTIFICATION

		IONS: Print or ty		FAR	43.9, FAR 43 Appe	endix B, and	AC 43.9-1 (or	subsequent	revision t	hereof)
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Rolls Royce Avon MK. 12200 Engine Starter modification.

- 1. Removed pneumatic starter IAW Rolls Royce Avon technical data.
- 2. Replaced pneumatic starter unit with a Lucas; model C6803, electric starter IAW Rolls Royce Avon technical data.
- 3. Lucas model C6803 electric starter is an authorized and compatable started unit for this engine as stated in Rolls Royce Avon technical data.
- 4. Operational check of starting system copleted IAW Rolls Royce Avon technical data.
- 5. New aircraft weight and balance recomputed for starter weight difference and electrical source weight and location.

ADDITIONAL SHEETS ARE ATTACHED



SMALL AIRPLANE DIRECTORATE MOBILE MANUFACTURING INSPECTION SATELLITE OFFICE P.O. BOX 5196, BAYSIDE STATION MOBILE, AL 36605-0196

EXPERIMENTAL LIMITATIONS(Showing Compliance)

DATE: March 19, 1992

Administration

ACFT MAKE: Hawker

ACFT MODEL: Hunter T MK 7

REGIS NO.: N617NL

SERIAL NO.: 41H695449 (XL617)

- 1. NO PERSON MAY OPERATE THIS AIRCRAFT FOR OTHER THAN THE PURPOSE(S) OF SHOWING COMPLIANCE to the FAR ADDITIONALLY, THIS AIRCRAFT SHALL BE OPERATED IN ACCORDANCE WITH APPLICABLE AIR TRAFFIC AND OPERATING RULES OF FAR 91, AND ALL ADDITIONAL LIMITATIONS HEREIN PRESCRIBED UNDER THE PROVISIONS OF FAR 91.319(e).
- THE PILOT-IN-COMMAND OF THIS AIRCRAFT MUST, AS APPLICABLE, HOLD AN APPROPRIATE CATEGORY/CLASS RATING, HAVE AN AIRCRAFT TYPE RATING, HAVE A FLIGHT INSTRUCTOR'S LOG BOOK ENDORSEMENT OR POSSESS A "LETTER OF AUTHORIZATION", ISSUED BY AN FAA GENERAL AVIATION OR AIR CARRIER OPERATIONS INSPECTOR.
- 3. THIS AIRCRAFT SHALL NOT BE FLOWN UNLESS IT IS MAINTAINED AND OPERATED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL PUBLICATIONS OR MANUFACTURERS' INSTRUCTIONS FOR THE AIRCRAFT AS IDENTIFIED AS FOLLOWS: A.P.102C-1512.17-6A, A.P.101B-1302-3-3A, A.P.101B-1302-1, A.P.101B-1302-3-14, A.P.101B-1302-3-15, A.P.101B-1301-7-9-6A and A.P.101B-1302-3-5-6-5M.
- ALL FLIGHTS SHALL BE CONDUCTED WITHIN THE GEOGRAPHICAL AREA DESCRIBED AS FOLLOWS: A 50 MILE WIDE CORRIDOR THAT RUNS NORTH TO SOUTH, CENTERED ON MONTGOMERY, ALABAMA, THE LENGTH OF THE STATE. TEST FLIGHTS SHALL BE CONDUCTED OVER SPARSELY POPULATED AREAS OR OVER OPEN WATER.
- THIS AIRCRAFT IS AUTHORIZED DAY VFR/IFR FLIGHT ONLY.
- THIS AIRCRAFT SHALL CONTAIN THE MARKINGS, PLACARDS, ETC, REQUIRED BY FAR'S 45.23 AND 91.9.
- NO PERSON MAY BE CARRIED IN THIS AIRCRAFT DURING FLIGHT UNLESS THAT PERSON IS REQUIRED FOR THE PURPOSE OF THE FLIGHT.
- THE COGNIZANT FAA FLIGHT STANDARDS OFFICE MUST BE NOTIFIED AND THEIR RESPONSE RECEIVED IN WRITING. PRIOR TO FLYING THIS AIRCRAFT AFTER INCORPORATING A MAJOR CHANGE AS DEFINED BY FAR 21.93.
- NO PERSON SHALL OPERATE THIS AIRCRAFT UNLESS WITHIN THE PRECEEDING 12 CALENDAR MONTHS IT HAS HAD A CONDITION INSPECTION PREFORMED IN ACCORDANCE WITH APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. ADDITIONALLY, THIS INSPECTION SHALL BE RECORDED IN ACCORDANCE WITH LIMITATION (11) LISTED BELOW.
- 10. ONLY FAA-CERTIFICATED AND RATED AIRFRAME AND POWERPLANT MECHANICS AND APPROPRIATELY RATED REPAIR STATIONS MAY PERFORM CONDITION INSPECTIONS IN ACCORDANCE WITH APPENDIX D OF PART 43.
- 11. CONDITION INSPECTIONS SHALL BE RECORDED IN THE AIRCRAFT MAINTENANCE RECORDS SHOWING THE FOLLOWING OR A SIMILARLY WORDED STATEMENT: "I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON (INSERT DATE) IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION." THE ENTRY WILL INCLUDE THE AIRCRAFT TOTAL TIME-IN SERVICE, THE NAME, SIGNATURE, AND CERTIFICATE TYPE AND NUMBER OF THE PERSON PERFORMING THE INSPECTION.
- 12. THIS AIRCRAFT SHALL NOT BE OPERATED EXCEPT IN COMPLIANCE WITH THE INSPECTION REQUIREMENTS OF FAR 91.409(d), PROGRESSIVE INSPECTION REQUIREMENTS.
- 13. EJECTION SEATS SHALL BE MAINTAINED IN ACCORDANCE WITH APPROPRIATE MILITARY TECHNICAL ORDERS AND/OR THE MANUFACTURER'S MAINTENANCE PROCEDURES.

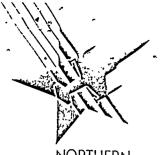
- 14. PARACHUTES SHALL BE WORN BY THE PILOT, CO-PILOT, OR OCCUPANT.
- 15. THIS AIRCRAFT SHALL REMAIN IN THE TEST FLIGHT AREA A MINIMUM OF THREE FLIGHT HOURS, OR LONGER, TO DEMONSTRATE THAT THE AIRCRAFT IS CONTROLLABLE THROUGHOUT ITS NORMAL RANGE OF SPEEDS AND THROUGHOUT ALL THE MANEUVERS TO BE EXECUTED, AND THE AIRCRAFT HAS NO HAZARDOUS OR OPERATING DESIGN FEATURES.

NOTE! UPON COMPLETION OF THE TEST FLIGHTS, RECORD COMPLIANCE WITH FAR 91.319(b) AND THE AEROBATIC MANUVERS SUCCESSFULLY DEMONSTRATED IN THE AIRCRAFT LOG BOOK.

EMIL F. MYERIKE

AVIATION SAFETY INSPECTOR/MFG

MOB-MISO-CE CE51



NORTHERN LIGHTS AIRCRAFT, INC.

May 21 , 1991

Mr. Emil Miehlke FAA, MOB-MISO-CE Box 5196 Bayside Station Mobile, Alabama 36605-0196

Dear Mr. Miehlke:

The enclosed application for Airworthiness Certificate is submitted for Hunter TMk 7 N617NL, in accordance with FAA Order 8130.2b. Accompanying the application (2 copies) and this program letter are a copy of the Certificate of Registration, Form 337 (Starter Modification, 3 copies) and requested operating limitations.

An Experimental-Exhibition certification is requested, under which the aircraft will be utilized for; airshow appearances, television and motion picture production and pilot proficiency. In addition to the requested operating limitations, the following aerobatic maneuvers will be evaluated for approval under FAA 91.42 (b):

- (1) Wing over
- (2) Aileron roll
- (3) Barrel roll
- (4) Loop
- (5) Immelman
- (6) Split S
- (7) Cuban eight
- (8) Vertical recovery
- (9) Spin

Flight testing of the airplane to satisfy the requirements of FAR 91.42 (b), will be in accordance with RAF Publication F.T.S.-TMk 7, 8, 8B, 8C, "Flight Testing of Production and Repaired Hunter Aircraft".

A copy of our Hawker Hunter maintenance inspection schedule is on file at the Birmingham FSDO. To facilitate certification, a copy of FAA Form 337 detailing the installation of an electric starter on Hunter N576NL and a copy of operating limitations on N576NL, are enclosed.

Sincerely,

T. E. Archer Vice President

Enclosures: 9

cc: Mr. Harley Pickett

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION SO-FSDO-09

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BY		FLT. STANDARDS		MANUFACTURER	х	INSPECTION AUTHORIZ	ATION	OTHER (Specify)			
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NOTICE

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- 3. Lucas model C6803 electric starter is an authorized and compatable starter unit for the aircraft engine as stated in Rolls Royce Avon technical data.
- 4. Operational chech of starting system completed IAW Rolls Royce Avon technical data.
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80-1000-03